

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C07D401/14 C07D401/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 040 320 A (WACHTER MICHAEL P ET AL) 21 March 2000 (2000-03-21) column 2, line 36 -column 4, line 30; example 1 example 78; table A	1-14
X	WO 2000 017192 A (MERCKLE G.M.B.H., GERMANY) 30 March 2000 (2000-03-30) cited in the application page 5, paragraphs 2-4	1-14
X	EP 0 004 648 A (CIBA GEIGY AG) 17 October 1979 (1979-10-17) cited in the application page 1 -page 2, paragraph 2 page 5, paragraph 2	1-14

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

24 November 2003

Date of mailing of the international search report

12/12/2003

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/09219

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	LAUFER, STEFAN ET AL: "Ones, thiones, and N-oxides: An exercise in imidazole chemistry" ANGEWANDTE CHEMIE, INTERNATIONAL EDITION (2002), 41(13), 2290-2293 , XP002261426 page 2291, column 1, line 2 - line 3; figure 1	1-14
Y	LIVERTON, N.J.; ET AL.: J. MED. CHEM., vol. 42, 1999, pages 2180-2190, XP002261427 cited in the application page 2180, column 2, paragraph 2 page 2181; example 48; table 1 page 2183; figure 6; examples 45,46	1-14
Y	BOEHM, J.C.; ET AL.: J. MED. CGEM., vol. 39, 1996, pages 3929-3937, XP002261428 cited in the application page 3932; examples 44,45; table 2	1-14
Y	WO 93 14081 A (SMITHKLINE BEECHAM CORP) 22 July 1993 (1993-07-22) cited in the application page 9, line 32 - line 34 page 10, line 13 - line 14	1-14
P,Y	WO 2002 066458 A (MERCKLE G.M.B.H., GERMANY) 29 August 2002 (2002-08-29) page 26; table 2	1-14
P,Y	DE 101 14 775 A (DANNHARDT GERHARD) 10 October 2002 (2002-10-10) the whole document	1-14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP 03/09219

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6040320	A	21-03-2000	AU 8757098 A EP 0994858 A1 JP 2002515915 T WO 9903837 A1	10-02-1999 26-04-2000 28-05-2002 28-01-1999
WO 2000017192	A	30-03-2000	DE 19842833 A1 AU 6085699 A CA 2344411 A1 WO 0017192 A1 EP 1112265 A1 JP 2002526494 T US 6432988 B1	30-03-2000 10-04-2000 30-03-2000 30-03-2000 04-07-2001 20-08-2002 13-08-2002
EP 0004648	A	17-10-1979	AT 373250 B AT 15483 A AT 375935 B AT 243783 A AT 376971 B AT 266179 A AU 532402 B2 AU 4599479 A CS 220324 B2 CS 220332 B2 CS 220335 B2 CY 1302 A DD 142712 A5 DE 2963572 D1 DK 148879 A EP 0004648 A2 ES 8303355 A1 ES 8403877 A1 ES 8504737 A1 ES 8504738 A1 ES 8505352 A1 FI 791158 A ,B, GR 71193 A1 HK 87285 A HU 182018 B IE 48738 B1 IL 57040 A JP 54135769 A JP 63039594 B KR 8202314 A KR 8202315 A MY 27186 A NO 791228 A ,B, NZ 190153 A PL 214745 A1 PL 125882 B1 PT 69460 A SU 1259962 A1 SU 991945 A3 US 4461770 A US 4584310 A US 4608382 A ZA 7901702 A	27-12-1983 15-05-1983 25-09-1984 15-02-1984 25-01-1985 15-06-1984 29-09-1983 18-10-1979 25-03-1983 25-03-1983 25-03-1983 06-12-1985 09-07-1980 21-10-1982 12-10-1979 17-10-1979 01-05-1983 01-07-1984 16-07-1985 16-07-1985 01-09-1985 12-10-1979 11-04-1983 15-11-1985 28-12-1983 01-05-1985 31-08-1984 22-10-1979 05-08-1988 17-12-1982 17-12-1982 31-12-1986 12-10-1979 15-05-1981 16-06-1980 30-06-1983 01-05-1979 23-09-1986 23-01-1983 24-07-1984 22-04-1986 26-08-1986 30-04-1980
WO 9314081	A	22-07-1993	AU 3592393 A	03-08-1993

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/09219

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9314081 A		BG 98902 A	30-06-1995
		BR 9305809 A	18-02-1997
		CA 2127876 A1	22-07-1993
		CA 2314425 A1	22-07-1993
		CA 2351694 A1	22-07-1993
		CA 2368862 A1	22-07-1993
		CN 1083473 A	09-03-1994
		CZ 9401688 A3	18-01-1995
		EP 0623126 A1	09-11-1994
		EP 0943616 A1	22-09-1999
		ES 2053401 A1	16-07-1994
		FI 943319 A	12-09-1994
		HU 69714 A2	28-09-1995
		JP 3298641 B2	02-07-2002
		JP 7503017 T	30-03-1995
		JP 2002097189 A	02-04-2002
		MX 9300141 A1	29-07-1994
		NO 942618 A	30-08-1994
		NZ 249301 A	25-06-1996
		OA 9963 A	11-12-1995
		SK 83594 A3	08-03-1995
		WO 9314081 A1	22-07-1993
		US 5686455 A	11-11-1997
		US 6268370 B1	31-07-2001
		US 5916891 A	29-06-1999
		US 2003064997 A1	03-04-2003
		ZA 9300213 A	18-11-1993
WO 2002066458 A	29-08-2002	DE 10107683 A1	29-08-2002
		WO 02066458 A2	29-08-2002
		EP 1362045 A2	19-11-2003
DE 10114775 A	10-10-2002	DE 10114775 A1	10-10-2002
		WO 02076951 A1	03-10-2002